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PATENT COOPERATION TREATY

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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference T3403-802778	FOR FURTHER ACTION	See Notification Preliminary Exa	of Transmittal of International mination Report (Form PCT/IPEA/416)
International application No.	International filing date (day/mor	nth/year) F	riority date (day/month/year)
PCT/US03/00260	07 January 2003 (07.01.2003)	o	7 January 2002 (07.01.2002)
International Patent Classification (IPC)	or national classification and IPC		
IPC(7): D01C 3/00; D06P 5/00; C09B 6	7/00; B05D 1/28; D06M and US	CI.: 8/94.11, 490,	501, 583; 427/428; 252/8.6
Applicant			
LONG, JACK W	· · ·		
Examining Authority and	nary examination report has been is transmitted to the applicant a	ccording to Artic	le 36.
2. This REPORT consists of	a total of sheets, including	this cover sheet.	
which have been ame before this Authority	nded and are the basis for this (see Rule 70.16 and Section 60	eport and/or she	ecription, claims and/or drawings ets containing rectifications made strative Instructions under the PCT).
These annexes consist of a	total of sheets.		
This report contains indica	tions relating to the following i	tems:	
I 🔀 Basis of the repo	ort ·		
II Priority			
III Non-establishme	ent of report with regard to nov	elty, inventive st	ep and industrial applicability
IV Lack of unity of			
V Reasoned statem	ent under Article 35(2) with re	gard to povelty	inventive step or industrial
applicability; cit	ations and explanations support	ing such stateme	nt
VI Certain documer	nts cited		
VII Certain defects i	n the international application		
VIII Certain observat	ions on the international applic	ation	
	77		
Date of submission of the demand	Data	of completion of	this report
	Date	of completion of	nns rehou
09 August 2004 (09.08.2004)	03 No	vember 2004 (03.1	1.2004)
Name and mailing address of the IPEA/L Mail Stop PCT, Attn: IPEA/US	Autho Autho	rized officer	8==4=
Commissioner for Patents P.O. Box 1450	Yoge	idra N. Gupta	DEBORAH A. THOMAS PARALEGAL SPECIALIST
Alexandria, Virginia 22313-1450		one No. 571-272	€₽8₩8-400 0
Facsimile No. (703) 305-3230 Form PCT/IPEA/409 (cover sheet)(July 19			Out

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INTERNATIONAL	PRELIMINARY	FYAMINATION	DEDODT

International application No. PCT/US03/00260

├-	-	is of the report
1.	With	regard to the elements of the international application:*
	\bowtie	the international application as originally filed.
	\boxtimes	the description:
ł		pages 1-7 as originally filed
		pages NONE , filed with the demand
		pages NONE , filed with the letter of
	\boxtimes	the claims:
		pages 8-10, as originally filed
ļ		pages NONE , as amended (together with any statement) under Article 19
Ì		pages NONE , filed with the demand pages NONE , filed with the letter of
	\Box	
	لــا	the drawings:
		pages NONE , as originally filed
		pages NONE , filed with the demand pages NONE , filed with the letter of
	$\overline{}$	
	Ш	the sequence listing part of the description:
		pages NONE , as originally filed
		pages NONE , filed with the demand
2	337:41	pages NONE , filed with the letter of
L.	lanon	regard to the language, all the elements marked above were available or furnished to this Authority in the tage in which the international application was filed, unless otherwise indicated under this item.
	Thes	e elements were available or furnished to this Authority in the following language which is:
	H	the language of a translation furnished for the purposes of international search (under Rule23.1(b)).
	H	the language of publication of the international application (under Rule 48.3(b)).
	لــا	the language of the translation furnished for the purposes of international preliminary examination (under Rules 55.2 and/or 55.3).
3.	With intern	regard to any nucleotide and/or amino acid sequence disclosed in the international application, the national preliminary examination was carried out on the basis of the sequence listing:
		contained in the international application in printed form.
		filed together with the international application in computer readable form.
	Ц	furnished subsequently to this Authority in written form.
		furnished subsequently to this Authority in computer readable form.
	Ш	The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
İ		The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.
4.		The amendments have resulted in the cancellation of
		the description, pages NONE
		the claims, Nos. NONE
		the drawings, sheets/ fig NONE
5. [\neg	
		This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**
* R	eplac	ement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in
*****	repui	t as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17). placement sheet containing such amendments must be referred to under item 1 and annexed to this report.

Form PCT/IPEA/409 (Box I) (July 1998)

INTERNATIONAL	PRELIMINARY	EXAMINATION	REPORT
THE PROPERTY OF THE PARTY OF TH	I IOCULATION AND I	DUVIATION	

International application No. PCT/US03/00260

1. STATEMENT			
Novelty (N)	Claims	1-15	YES
	Claims	NONE	NO
Inventive Step (IS)	Claims	1-15	YES
	Claims	NONE	NO
Industrial Applicability (IA)	Claims	1-15	YES
		NONE	NO
ammonium salts of alkylated phosphoric acids admixe suggest It would not have been obvious to modify the of alkylated phosphoric acids admixed with free alkylacids are aliphatic monocarboxylic acids of 1 to 5 car acid, methacrylic acid, dimethylacrylic acid, halogen trifluoroacetic acid, hydroxyacetic acid, glycolic acid cyclohexanecarboxylic acid; araliphatic carboxylic acid, naphthoic acid, salicylic acid, m- or p-hydroxyl as oxalic acid, malonic acid, succinic acid, glutaric ac methanesulfonic acid, ethanesulfonic acid, trifluorom dodecylbenzenesulfonic acid, citraconic anhydride, st phosphoric acid, the alkyl moieties of which esters m Becker et al. (US 4,559,150) suggest the us permethrin, however, one of ordinary skill in the art and a blend of substituted ammonium salts of alkylate broad teachings of Becker et al. suggest a various acid De Sousa et al. (US 4,602,912) suggest a mothproofi However, De Sousa et al. do not teach the required b free alkylated phosphoric acid. The broad teachings of However, one of ordinary skill in the art would not b blend of substituted ammonium salts of alkylated phosphoric acid. See example 7, col.28.	cids admixed mple 11, a cored with free a ceaching of A atea phosphor atoms, e. atea acetic acid or lactic acid ids such as phenzoic acid o cid, adipic acid ethanesulfonic alfamic acid o ay contain 1 to e of diammon would not have a phosphoric de for use in bung compositioned of substituted of substituted to sphoric acids mprising permanents.	with free alkylated phosphoric acid. mposition comprising permethrin without the a blend lkylated phosphoric acid because the broad teachings abel et al. with the required a blend of substituted am g. formic acid, acetic acid, propionic acid, butyric acid such as monochloroacetic acid, dichloroacetic acid; cycloaliphatic monocarboxylic acids such as menylacetic acid; aliphatic dicarboxylic or tricarboxylid, citric acid, malic acid, maleic acid, methylmaleic acid; benzenesulfonic acid, alkylbenzenesulfonic acid rephosphoric acid, as well as monoalkyl or dialkyl acids at phosphoric acid, as well as monoalkyl or dialkyl acids of 12, preferably 3 to 8, carbon atoms. See col.5-6. The motivated to arrive at a composition comprising acids admixed with free alkylated phosphoric acid be proceeded ammonium salts of alkylated phosphoric acids at al. suggest phosphoric and phosphonic acid esters it all suggest phosphoric and phosphonic acid esters it and an alkyl ester of phosphoric and phosphonic acid esters it and mixed with free alkylated phosphoric acid because admixed with free alkylated phosphoric acid because and modify the teaching of De Sousa et al. to arrive at a admixed with free alkylated phosphoric acid because	of substituted of Abel et al. monium salts ggest that the cid, acrylic if or as benzoic c acids such acid; and also id, e.g. ter of ids such as ng permethrin cause the horic acid, dmixed with n general. he required the broad